



Product Description

The PaxScan 2520XI/V is a second-generation X-ray imager designed for high-speed fluoroscopic and radiographic imaging. Based upon the new Gigabit Ethernet interface standard, images are displayed instantaneously on a user-supplied workstation or laptop fitted with the appropriate Gigabit controller chipset. The lightweight aluminum housing is shock and water-resistant.

Technical Specifications

Receptor Type	Amorphous Silicon
Conversion Screen	CsI, DRZ Plus, or DRZ high
Pixel Area	Total 19.5 (h) x 24.4 (v) cm (7.68 x 9.6 inch)
	Active 19.3 (h) x 24.2 (v) cm (7.60 x 9.49 inch)
Pixel Matrix	Total 1,536 (h) x 1,920 (v)
	Active 1,516 (h) x 1,900 (v)
Pixel Pitch	127 μm^2
Limiting Resolution	3.94 lp/mm
MTF, X-Ray	$\geq 48\%$ 1 lp/mm, CsI, RQA5
Energy Range Standard	40 - 150 kVp
Fill Factor	57%
Image Capture	Intel Pro/1000GT Desktop Adaptor (PCI) (Customer Supplied)
Scan Method	Progressive
A/D Conversion	14-bits
Frame Rate	1 - 7.5 fps (1x1) 15/30 fps (2x2) (Workstation dependent)
Data Output/System Interface	Gigabit Ethernet
Power	
Power Input	90 - 264 Vac, 47 - 63 Hz
Power Output	+15 Vdc
Rating	1.35 A max. @ 115 Vac, 60 Hz
Size	1.69 (h) x 2.99 (w) x 5.75 (d) Inch [4.29 x 7.59 x 14.61 cm]

Software

The software release includes ViVA™, a basic application for image acquisition and viewing on an end-user workstation or laptop running Microsoft® Windows™. The developer's software package includes a "Virtual Command Processor" software interface that performs detector calibration, receptor set-up, image acquisition, and image corrections. ViVA™ includes file translators for .viv, .raw, .jpg, and .bmp formats. Windows® XP compatible.

Environmental

Shock	High-shock tolerance
Water	Water-resistant
Temperature Range - Operating	10°C to 35°C (max.)
(Ambient) - Storage	-20°C to +70°C
Humidity - Operating (non-condensing)	10 to 90%
Storage (non-condensing)	10 to 90%

Regulatory

U.S.	UL 60601-1
Canada	CSA 22.2 No. 601.1-M90

Mechanical

Size	12.480 (w) x 10.485 (l) x 2.875 (h) Inch [31.699 (w) x 26.632 (l) x 7.302 (h) cm]
Weight	9.65 lbs. (4.38 kg)
Housing Material	Aluminum
Sensor Protection Material	Carbon fiber plate (2.5 mm thick) and aluminum

Drawings are for reference only

Dimensions are in inches

